

L 61115-65 EMT(m)/EMG(s)-2

ACCESSION NR: AF5019106

UR/0286/65/000/012/0127/0127

AUTHORS: Yurchenko, A. G.; Shevchuk, F. Ye.; Svashnikov, G. V.; Veselavskiy, V. S.; Luzin, Yu. N.; El'gort, R. Ye.

TITLE: A device for making cellular concrete. Class 80, No. 172208

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 127

TOPIC TAGS: construction material, concrete, cellular concrete

ABSTRACT: This Author Certificate presents a device for making cellular concrete (see Fig. 1 on the Enclosure). The device consists of a mixing container mounted on a horizontal hollow roller and carrying an internal endless worm screw. To intensify the degree of concrete mixing, the mixing container is produced in the form of a cylindrical grill made up of hollow panels with perforated walls. These panels are rigidly attached to a hollow disk set on the roller. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 23Mar64

NO REF SOV: 000

Card 1/2

ENCL: 01

OTHER: 000

SUB CODE: MT,IE

*Luzin, Yu. R.**

S/133/60/000/010/008/013
A054/A029

AUTHORS: Teterin, P.K., Doctor of Technical Sciences; Luzin, Yu.F., Engineer

TITLE: The Mechanism of Metal Destruction During Transverse Rolling 1/8

PERIODICAL: Stal', 1960, ¹⁰No. 10, pp. 930 - 932

TEXT: After discussing the various theories on this subject (E. Siebel, Ref. 1; A.F. Lisochkin, Ref. 2; I.A. Fomichev, Ref. 3; and V.S. Smirnov, Ref. 4) the authors describe tests carried out to establish the causes and the character of axial destruction of the metal during transverse rolling. A disk 8 mm thick and 50 mm in diameter was placed between two disks of the same diameter, but 25 mm thick and welded on the edges. The disks were made of 1X18H9T (1Kh18N9T) type steel. Owing to this design the thin disk was not attached to the other disks in the center and it was, therefore, not affected by the axial pressure applied to the specimen, which was rolled in transverse direction on plain rollers (the diameter of the upper roller was 346 mm, that of the lower 277 mm), the rollers operating at 30 rpm and at a temperature of 1,100°C, with various degrees of reduction applied. It was found that in the central part of the specimens an intensive plastic deformation developed, the axial contraction attained even 50% ✓

Card 1/2

** from MIRA Card.*

S/133/60/000/010/008/013
AC54/A029

The Mechanism of Metal Destruction During Transverse Rolling

Just before destruction, which took place at a reduction of 6.4%. The axial contraction developing in the middle disk, which is actually free from axial pressures, proves that considerable transverse tensile stresses arise in the central zone, destroying the metal. For short billets it was found that the value of critical reduction increased, which can be explained by the phenomenon that the lateral tensile stresses developed in such samples are not so intensive as in billets of a more longitudinal shape, on account of the smaller degree of expansion in connection with the more intensive axial flow of the metal in the border zone. Axial stresses were found to have only average values without any particular influence on the mechanism of destruction. Analogous results were obtained with compact samples, in which the expansion of the metal was limited, because the sample was held in a closed holder during rolling. There are 6 figures and 5 references: 1 German and 4 Soviet.

ASSOCIATION: TsNIChM

Card 2/2

LUZINA, A. G.

LUZINA, A. G. -- "Comparative Evaluation of Various Methods of Serological Diagnosis for Typhoid Fever." Sub 8 Sep 52, First Moscow Order of Lenin Medical Inst. (Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

IZINA, A.G.

Ascariasis and its control. Fel'dsher & akush., Moskva No.2:33-38 Feb 52.
(CML 21:4)

LUZINA, A.G.

All-Union conference on the control of helminthiasis and malaria. Med.paraz.
i paraz.bol. no.4:366-372 J1-Ag '53. (MLRa 6:9)
(Worms, Intestinal and parasitic) (Malarial fever)

LUZINA, A.G.; YERMAKOVA, T.Ye., redaktor; GLUKHOYEKOVA, G.A., tekhnicheskiiy redaktor.

[How to prevent infection from ascarids] Kak predupredit' razhenie askaridami. Moskva, Gos. izd-vo med. lit-ry, 1954. 21 p.
(Ascarids and ascariasis) (MLRA 7:8)

LUZINA, A. G.
USSR/Medicine - Typhoid

FD-541

Card 1/1 Pub. 148 - 4/23

Author : Luzina, A.G.

Title : A comparative evaluation of various methods of diagnosing typhoid serologically

Periodical : Zhur. mikrobiol. epid. i immun., 6, 11-16. Jun 1954

Abstract : Although it is asserted that the hemoculture method is the best means of obtaining an early and precise diagnosis of typhoid, a comparative evaluation is made of various agglutination reactions since they are considered valuable diagnostic procedures for retrospective confirmation of typhoid, and, especially, for carrying out mass epidemiological investigations. 181 patients (89 typhoid, 17 paratyphoid B, 3 paratyphoid A, and 72 control) at the Krasnosovet Infectious Disease Hospital in the Clinic of the 1st Moscow Order of Lenin Medical Institute were used to compare the specificity and sensitivity of test tube agglutination reactions employing living cultures of H,O,Vi and Gertner antigens, and diagnostic H,O, and polyvalent typhoid and A and B paratyphoid preparations; and of accelerated drop agglutination reactions with serum and whole blood, i.e. the Mesik-Berger and Minkevich-Brumpta reactions respectively. The best results were obtained with the Mesik-Berger serum-drop method. The results of the investigations are presented on three charts. No references are cited.

Submitted : August 14, 1953

CHERTKOVA, F.A.; USHAKOVA, A.A.; LUZINA, A.G.

Possibility of determining the reaction-producing qualities of
whooping cough-diphtheria vaccine under experimental conditions.
Report No. 1. Zhur.mikrobiol.epid.i immun. 33 no.5:27-31 My '62.
(MIRA 15:8)

1. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh bio'o-
gicheskikh preparatov imeni Tarasevicha.
(WHOOPING COUGH--PREVENTIVE INOCULATION)
(DIPHTHERIA--PREVENTIVE INOCULATION)

LUZINA, A.V.

Local application of dry streptomycin in chronic suppurative otitis.
Vest. oto-rin. 16 no.6: 42-43 N-D '54. (MLRA 8:1)

1. Iz kliniki bolezney ukha, gorla, nosa (zav.-dotsent Yu.K.Korotkova) Yaroslavskogo meditsinskogo instituta i oto-laryngologicheskogo otdeleniya bol'nitsy imeni N.V.Solov'yeva.

(OTITIS

chronic, suppurative, ther. with streptomycin in powder form)

(STREPTOMYCIN, ther. use

otitis, chronic, suppurative, local application in powder form)

LUZINA, A.V., vrach; LUZIN, K.A., inzhener

Portable stroboscope. Vest. oto-rin. 19 no.1:94-96 Ja-F '57
(MLRA 10:4)

1. Iz kliniki bolezney ukha, gorla i nosa (zav.-dotsent Yu. K.
Korotkova) Yaroslavskogo meditsinskogo instituta.
(OTORHINOLARINGOLOGY, apparatus and instruments,
laryngeal stroboscope) (Rus)

LUZINA, A.V.

Condition of the upper respiratory tracts and of the auditory organ
in workers subjected to the action of antimony trioxide dust. Zhur.
ush., nos. i gorl. bol. 20 no.4:44-48 J1-Ag '60. (MIRA 14:6)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - dotsent Yu.K.
Korotkova) Yaroslavskogo meditsinskogo instituta.
(ANTIMONY OXIDES—PHYSIOLOGICAL EFFECT)
(RESPIRATORY ORGANS—DISEASES) (EAR—DISEASES)

LUZINA, A.V., assistant; LUZIN, K.A., inzh.

Olfactometer based on the principle of ejection. Vest. otorin. 22
no.1:79-81 Ja-F '60. (MIRA 14:5)

1. Iz kliniki bolezney ukha, gorla, nosa (zav. - dotsent Yu.K.
Korotkova) Yaroslavskogo meditsinskogo instituta.
(PHYSIOLOGICAL APPARATUS) (SMELL)

LUZINA, A. V.

Cand Med Sci - (diss) "Materials of clinical and experimental study on the problem of the effect of antimony trioxide on the upper respiratory passages and organs of hearing." Minsk, 1961. 13 pp; (Minsk State Med Inst); 150 copies; price not given; (KL, 7-61 sup, 260)

KONSTANTINOV, A.S.; LUZINA, A.V.

Cytological foundations of the growth of chironomid larvae.
TSitologiya 3 no.3:341-344 My-Je '61. (MIRA 14:6)

1. Kafedra biologii Saratovskogo meditsinskogo instituta.
(CHIRONOMIDAE) (LARVAE—INSECTS) (CELLS)

58/49T26

USSR/Chemistry - Chlorine
Chemistry - Analytical Chemistry May 49

"Potentiometric Determination of Chlorine in the
Presence of Sulfur Dioxide," M. P. Berkovich,
G. S. Luzina, All-Union Sci Res Inst of Labor
Protection, 3 pp

"Zavod Lab" Vol XV, No 5

Results of experiments made it possible to deter-
mine exactly the concentration of gas in air
under laboratory conditions. Showed the noncom-
pensated potentiometric titration of xanthogenous
calcium and silver nitrate can occur satisfactorily
only in the presence of sulfur dioxide. Describes
58/49T26

USSR/Chemistry - Chlorine (Contd) May 49
process and gives diagram of equipment.

58/49T26

LUZINA, G. S.

LUZINA, G. S.

180T6

USSR/Chemistry - Analysis, Air

Nov 50

"Colorimetric Method for Determination of Small Quantities of Bromine in the Air," M. T. Berkovich, G. S. Luzina, All-Union Sci Res Inst Labor Protection

"Zavod Lab" No 11, pp 1399, 1400

Method is based on reaction between bromine and fluorescein with formation of eosin, when coloration of absorbing soln changes from light-green to rose color. Quantities of bromine from thousandths of ml in sample soln may be detd by this method.

180T6

LUZINA, G. S.

180T8

USSR/Chemistry - Analysis, Air

Nov 50

"Method for Determination of the Small Quantities of Alkali in the Air," G. S. Luzina, All-Union Sci Res Inst Labor Protection

"Zavod Lab" No 11, p 1402

Suggests water or hydrochloric acid as best absorbents for air sampling. Alkali content in absorbing soln is detd by titration with soln of hydrochloric acid in presence of methyl red directly in absorbers. Method has been developed for anal of air in alumina shops of aluminum plants.

180T8

CP

Colorimetric determination of small amounts of bromine
in air. M. I. Berkovich and G. S. Luzina. *Zashchita
Lab. 10, 1399-1400 (1974).*—Draw the air sample through 2
consecutive absorbers contg. fluorescein soln. (12 mg. in
5-8 ml. EtOH and dild. to desired vol. with 0.1 N HCl).
Mix and compare colorimetrically with standards.
G. M. Kozlovskii

all-Union Sci. Res. Inst. of Labor Protection.

CA

Determination of small quantities of alkali in the air.
G. S. Lugina. *Zhurnal Khim. 10, 1402(1930)*.—Aspiration of air through a cotton cartridge or filter paper wad gives poor (60%) retention of alkali aerosol. Absorption in alkaline solutions filled with water is recommended; titration with acid in the presence of methyl red completes the analysis.
G. M. Kosolapoff

LUZINA, G. S.

PA 160T14

USSR/Chemistry - Gas Analysis
Fluorides

May 50

"Separate Determination of Fluorides Liberated in
the Form of Gases and Aerosol," G. S. Luzina, All-
Union Sci Res Inst of Labor Protection, 1 p

"Zavod Lab" Vol XVI, No 5

Develops direct method for determination of gaseous,
highly toxic fluorides with application of dust re-
mover for separating dust from gas and with subse-
quent entrapping of gaseous fluorides by liquid
absorber. Solution of absorber must be analyzed for
fluorine content by titration with thorium nitrate.

160T14

LUZINA, G. S.

LUZINA, G. S. --"Admixtures of Local Raw Materials for the Pickling of Ferrous Metals." Sub M: Apr, 52, Central Sci Res Inst of Technology and Machine Building (TsNII Mash). (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

LUZINA, G. S.

Some physicochemical properties of dust in copper pyrite mines. M. T. Berkovich, G. S. Luzina, and L. P. Vasil'eva. (All-Union Sci. Research Inst. Labor Protection and All-Union Central Council of Trade Unions, Sverdlovsk). *Izv. Vses. Nauch. Tsentr. Trud. Soz. S.S.S.R., Sbornik State* 1953, 134-7. -- Properties of dust of quartz-cerite slate, copper pyrite, Cu pyrite, porphyrite, and Cu porphyrite, values soln. or of releasing the wetting agent over or under the H₂O surface. The min. concn. of OP-7 is 1.0 g./l. OP-10 reduced the surface tension of 1 and distd. water more at lower than at higher concns. At 2.0 g./l. or over further lowering in surface tension occurred. No ppt. was formed in the concns. indicated upon 3 days standing with either of the agents tested, nor upon surface or subsurface mixing. The recommended min. concn. of this wetting agent is 2.0 g./l. B. S. Levine

AID P - 2283

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 9/21

Author : Luzina, G. S.

Title : Use of an extract of residues from grapes as an admixture for pickling of polished tin

Periodical: Zhur. prikl. khim., 28, no.3, 291-298, 1955

Abstract : The extract of residues from grapes proved to be more effective than "ChM" a Soviet compound used for pickling of polished tin. Optimum conditions for using the extract: temperature, 65-68°C; concentration, 10-12 g./l .

Institution: None

Submitted : My 30, 1953

LUZINA, G.S., kandidat' tekhnicheskikh nauk; GRIGOROVA, L.P., nzuchnyy
sotrudnik.

Choosing the method for selecting and analyzing suspended
dust. Sbor. rab. po sil. no.1:57-59 '56. (MLRA 10:2)

1. Sverdlovskiy nauchno-issledovatel'skiy institut okhrany
truda Vsesoyuznogo Tsentral'nogo Soveta professional'nykh
soyuzov.

(DUST--ANALYSIS)

LUZINA, L., inzh. (Sverdlovsk)

How to use old dumping grounds. Zhil.-kom. khoz. 12 no. 5:34
My '62. (MIRA 15:10)

(Sverdlovsk—Salvage (Waste, etc.))

KOSAYA, G.S.; LUZINA, L.I.

Kinetics of sulfate cooking of woodpulp. Bum.prom. 36 no.3:23-25
Mr '61. (MIRA 14:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut bumazhnoy promy-
shlennosti.

(Woodpulp)

LUZINA, L.N.; NOVOSELOV, A.V.

Eliminating pieces of glass from compost. Nauch. trudy AKKH
no.24:58-62 '64 (MIRA 18:2)

LUZINA, I.N.

Rapid determination of copper in alloys. Zav. lab. 31 no.2:
947 '65. (MIRA 18:9)

1. Altayskiy elektromekhanicheskiy zavod.

GLUSHCHENKO, N.N., kand. sel'khoz. nauk; ALEKSEYEVA, Ye.I., kand. sel'khoz. nauk; VOROB'YEVA, G.V.; LUZINA, L.V., kand. biol. nauk; MAYCHENKO, Z.G., CHIKALOV, B.M., kand. sel'khoz. nauk; KRYLATOVA, S.A., red.

[Recommendations for the production of aromatic plant seeds]
Rokomendatsii po semenovodstvu efiromaslichnykh kul'tur. Moskva, Sel'khozizdat, 1963. 27 p. (MIRA 17:6)

1. Russia (1923- U.S.S.R.) Ministerstvo sel'skogo khozyaystva. Upravleniye nauki, propagandy i vnedreniya peredovogo opyta. 2. Nauchnyye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta maslichnykh i efiromaslichnykh kul'tur. (for all except Krylatova).

Luzina, L.V.
USSR / Cultivated Plants. Medicinal and Essential-Oil Bearing

L-8

Abs Jour : Ref Zhur - Biol., No 6, March 1957; No 22864

Author : Luzina, L.V.

Inst : Not Given

Title : Results of Testing Roses for Essential Oil Content

Orig Pub : V khn: Kratkiy otchet o nauch.-issled. rabote za 1954 g
Vses. n.-i. in-ta maslich. i efiromaslich. kultur, Krasnodar,
1955, 103-106

Abstract : A competitive test of roses for comparative evaluation of varieties containing essential oils in environments of the Krasnodar kray was conducted at the Voznesensk zonal experimental selection station of the All-Union Scientific Experimental Institute of Fatty and Essential Oil Cultivations in the spring of 1945. The following roses were tested: red Crimean, red Kazanlykskaya, and red Caucasian newly produced at the station. A detailed description of these roses is given. After 7 years of testing the varieties, an especially

Card : 1/2

USSR / Cultivated Plants. Medicinal and Essential-Oil Bearing

L-8

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22864

suitable one for environments of the Krasnodar kray was found to be the winter-resistant, rust-resistant Crimean red rose, cultivated by grafting, which insures a greater stability of petal yield and a higher yield of essential oil per hectare.

Card : 2/2

LUZINA, M.O., gosudarstvennyy inspektor po kachestvu tekstil'nogo,
kozhevennogo i pushno-mekhovogo syr'ya

Need for an accurate assessment of the quality and quantity of scoured
wool. Tekst.prom. 23 no.5:54-55 My '63. (MIRA 16:5)
(Wool--Testing)

BUCHIN, A.N.; GUZHNOVSKIY, L.P.; GOLUBEVA, T.S.; KAZAKOVA, V. Ye.;
KARGANOV, V.S.; LUZINA, N.I.

Programming the development of oil fields in southern regions;
economic analysis. Trudy VNI no.39:34-43 '63.

(MIRA 17:10)

GUZHNOVSKIY, L.P.; LUZINA, N.I.; SOLOV'YEV, A.D.

Economic efficiency in the automatic control of the injection
of water into a layer. Trudy VNII no.39:108-113 '63.

(MIRA 17:10)

GUZHNOVSKIY, L.P.; KONOVALOV, V.P.; LUZINA, N.I.; NESTEROV, V.Ye.

Economic effectiveness of scientific investments of petroleum
production equipment; based on studies of the All-Union Instru-
ment Scientific Research Institute. Trudy VNII no.39: 174-186 '69.
(MIRA 17:10)

SAMUS', T.Ya.; LUZINA, T.I.; KOVTUNENKO, Z.S.

Thermal processing systems of press molds in the manufacture of
products from chip pulp. Bum. 1 dar. prom. no.133-36 Js-Mr '65.
(MIRA 18:10)

LUZINA, V. N.

Drozdov, N. P., Ladyzhenskaya, O. I., and Luzina, V. N. "The cytological picture of urethral pus and morphological changes in Weisser's gonococcus in penicillin therapy," Voprosy dermato-venerologii, Vol. IV, 1948, p. 317-20.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

IMZINA, Ye. V.:

IMZINA, Ye. V.: "The problem of treating congenital clubfoot." Tadzhik State Medical Inst imeni V.M. Molotov. Tadjikent, 1956.
(Dissertation for the Degree of Candidate in Medical Sciences)

Source: Knizhnaya letonis' No. 28 1956 Moscow

LUZINA, Z.A.

2. Lentil, a valuable pulse crop. Zemledelie 23 no.1:36-42 Ja '60.
(MIRA 13:12)
1. Vsesoyuznyy nauchno-issledovatel'skiy institut rasteniyevodstva.
(Lentils)

GUMAROVA, F.G.; GOSTEVA, A.G.; TULEGENOV, Z.K.; MAKASHEVA, S.U.; POLOSUKHIN, A.P.; MUSABEKOV, A.M.; DANILOV, Yu.S.; NIGMATULIN, M.A.; ZAKHAROV, F.G.; LUZINA, Z.T.; NEPESOV, T.I.; STASYUNAS, I.P.; ISABEKOV, O.I.; ~~SARSENBAEVA~~, K.; KATSYUBA, V.T.; LEHOVSKIY, A.S.; AKHMEDOV, K.Yu.; SUBKHANBERDIN, S.Kh.; KISLITSINA, N.P.; POLIKARPOV, S.V.; ZAIROV, K.S.; APSATAROV, A.A.; NOVOSEL'TSEV, V.N.; PETROV, N.N.; KHOMUTOV, M.V.; GALUSTYAN, A.S.; ARTYKOV, A.Ye.; DZHANDIL'DIN, N.D.; KOVRIGINA, M.D.; BRYSEBAYEV, M.; BUBLIK, V.N.; CHERNYSH, A.M.

Discussion on the report of S.R.Karynbaev, Minister of Public Health of the Kazakh S.S.R., on the status and improvement of medical care. Zdrav.Kazakh. 17 no.4/5 '57. (MIRA 12:6)

1. Zav. Alma-Atinskim oblastnym zdravotdelom (for Gumarova).
2. Vrach bol'nitsy g.Leninogorska Vostochno-Kazakhstanskogo oblzdravotdela (for Gosteva).
3. Zav. Karagandinskim oblastnym otделom zdravookhraneniya (for Tulegenov).
4. Zav. Kzyl-Ordinskim oblastnym otделom zdravookhraneniya (for Makasheva).
5. Vitse-prezident AN KazSSR (for Polosukhim).
6. Zav. Aktyubinskim oblastnym otделom zdravookhraneniya (for Musabekov).
7. Ministr zdravookhraneniya Kirgizii (for Danilov).

(Continued on next card)

GUMAROVA, F.G.---(continued) Card 2.

8. Zav.Vostochno-Kazakhstanskim oblastnym otdelom zdravookhraneniya (for Nigmatulin). 9. Chlen kollegii Ministerstva zdravookhraneniya SSSR (for Zakharov). 10. Zav.Kustanayskim oblastnym otdelom zdravookhraneniya (for Luzina). 11. Ministr zdravookhraneniya Turkmeneskoy SSR (for Nepesov). 12. Zav.sel'skim vrachebnym uchastkom Priirtyshskogo rayona Pavlodarskoy oblasti (for Stasyunas). 13. Glavnyy vrach Kapal'skoy rayonnoy bol'nitsy Taldy-Kurganskoy oblasti (for Isabekov). 14. Zav.zhenotdelom Yuzhno-Kazakhstanskogo obkoma partii (for Sarsenbayeva). 15. Zav. Dzhambul'skim oblastnym otdelom zdravookhraneniya (for Katsyuba). 16. Glavnyy vrach Alma-Atinskogo oblastnogo tuberkuleznogo dispansera (for Lenovskiy). 17. Ministr zdravookhraneniya Tadzhikskoy SSR (for Akhmedov). 18. Nachal'nik Kazaptekopravleriya (for Subkhanberdin).

(Continued on next card)

GUMAROVA, F.G.---(continued) Card 3.

19. Zav. Semipalatinskim oblastnyy otdelom zdravookhraneniya (for Kislitsina). 20. Predsedatel' respublikanskogo komiteta soyuza medrabotnikov (for Polikarnov). 21. Zam. ministra zdravookhraneniya Uzbekskoy SSR (for Zairov). 22. Zav. Alma-Atinskim gorodskim otdelom zdravookhraneniya (for Apsatarov). 23. Zav. Severo-Kazakhstanskim oblastnym otdelom zdravookhraneniya (for Novosel'tsev). 24. Zav. rayzdravotdelom Shortandinskogo rayona Akmolinskoy oblasti (for Petrov). 25. Zav. ministra zdravookhraneniya Soyuz SSR (for Khomutov). 26. Zav. ministra zdravookhraneniya ArmSSR (for Galustyan). 27. Predsedatel' Komiteta fizicheskoy kul'tury i sporta pri Sovete Ministrov KazSSR (for Artykov). 28. Sekretar' Tsentral'nogo Komiteta Kommunisticheskoy partii Kazakhstana (for Dzhandil'din). 29. Ministr zdravookhraneniya Sovetskogo Soyuz (for Kovrigina). 30. Pervyy zamestitel' predsedatelya Soveta Ministrov KazSSR (for Beysebayev). 31. Uchastkovyy vrach Kustanayskoy oblasti (for Bublik). 32. Zam. predsedatelya Obshchestva Krasnogo Kresta Kazakhstana (for Chernysh).

(KAZAKHSTAN--PUBLIC HEALTH)

SOV/137-59-2-4117

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, No 2, p 260 (USSR)

AUTHOR: Luzinov, A. A.

TITLE: How to Extend the Service Life of Leaf Springs (Udlinit' srok sluzhby resor)

PERIODICAL: V sb.: Materialy Soveshchaniya glavn. metallurgov z-dov i in-tov avtomob. prom-sti. Nr 4. Moscow, 1958, pp 116-119

ABSTRACT: The inadequacy of the service life of leaf springs (LS) is attributed to the unsatisfactory surface quality of the metal employed therein. In leaf strip 6.5 - 12 mm thick the thickness of the decarburized layer may amount to 0.15 - 0.25 mm, which reduces the σ_w of the LS by 30 - 40%. It is indispensable that the decarburization be minimized through the use of shielding media in the reheating furnaces of the rolling shops.

P. G.

Card 1/1

L 25841-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) LJP(c) JD/DJ
 ACC NR: AR5019274 SOURCE CODE: UR/0277/65/000/007/0009/0009

AUTHOR: Kachanov, N. N.; Pchelkina, V. M.; Luzinov, A. A.

ORG: none

TITLE: New brands of superhardenable steel for large-size bearings.

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruksii i raschet detaley mashin. Gid. privod. Otdel'nyy vypusk, Abs. 7.48.56

REF SOURCE: Tr. Vses. n.-i. konstrukt.-tekhnol. in-ta podshipnik. prom-sti, no. 2(38) 1964, 3-18

TOPIC TAGS: roller bearing, hardness, metal hardening, ball bearing steel, bearing steel, steel/ShKh20SG15F steel, ShKh20SG15MF steel, ShKh15SG steel

TRANSLATION: Two new brands of superhardenable steel have been developed for bearings. The ShKh20SG15F brand may be recommended for making rings for large bearings with wall thicknesses of 80 to 100 mm and for rollers 90 to 120 mm in diameter; brand ShKh20SG15MF is good for rings with 90-120 mm walls and for rollers 100-140 in diameter. The steel can be recommended for use in shipbuilding, transportation machine-building, machine tools, etc., as well as for manufacturing large parts requiring very hard surfaces. It was established that the hardenability, determined by the calculation method, is approximately 36.0 mm for brand ShKh20SG15F, and 51.0 for brand ShKh20SG15MF. In steels which were experimentally smelted at a hardening of 840°,

Card 1/2 VDO: 669.14.018.24

L 25811-66

ACC NR: AR5019274

18 18 2
the amount of residue austenite was the same as in ShKh15SG steel, but at a hardening of 880° the content was slightly larger than in ShKh15SG.

SUB CODE: 11/3/ SUBM DATE: none

Card 2/2 441

Luzinov, A.N.

25(3)	Бюро-техническое обобщение машиностроительной промышленности. Классификация обобщения промышленности Механизация и автоматизация в машиностроении: (сборник статей) (Механизация и автоматизация в машиностроении: Коллекция статей) Москва, Машигиз, 1959. 226 с. 8,000 копий отпечатано. Спонсор: Агентство машиностроительного обобщения промышленности. М. of Publishing House: M.D. Korobov; Chief M. (Southern Division, Machine); V.I. Korobov; Editor: Editorial Board: M.D. Korobov, S.M. Zaslavskiy, A.L. Korobov, M.M. Lyub, M.L. Gribkov, I.D. Poyarkov, Ye.M. Zhayvorich (M.D.), and V.I. Zhayvorich. REMARKS: This book is intended for engineering and technical personnel in machine and instrument manufacturing plants and scientific research institutes. CONTENTS: This book contains reports made by members of machine and instrument manufacturing plants, scientific research institutes, and educational institutions at the 2nd Kiev Scientific and Technical Conference devoted to problems of mechanization and automation of production processes. The Conference was sponsored by the Kiev Oblast Administration of the KPO Machine (Scientific and Technical Division of the Machine-Manufacturing Industry) and the Ukrainian Republic Administration of the KPO Machine (Scientific and Technical Division of the Instrument Manufacturing Industry). These reports describe current problems encountered in the development of equipment, reports on technical and control operations, and provide work practices in mechanization and automation of machine and instrument manufacturing. The authors are: V.I. Korobov, M.D. Korobov, M.L. Gribkov, I.D. Poyarkov, Ye.M. Zhayvorich, and A.M. Farber participated in preparing the book. There are no references. Selection of Laws of Motion and Drive Diagram of the Working Elements of Automatic Machines (M.L. Gribkov)	38
	Problems in the Automation of Tooth-cutting Machines (A.M. Farber)	72
	Improving the Operational Capabilities of the Clamping Mechanism on Automatic Lathes (L.Ye. Ispolov)	87
	Automatic Tooling Setup on Automatic and Semi-automatic Lathes (M.P. Korobov)	97
	Some Problems in the Operation of Automatic Lathes for Manufacturing Balls and Ribs (M.L. Gribkov)	104
	Method of Planning Technological Processes for Automatic Single-spindle Lathes (G.L. Arizmanov)	111
	Automation of Centerless Through-feed Grinding Process (A.M. Lyubkov)	127
	Automation of the Technological Cycle for Grinding Piece Parts Made of Hardened Steel (V.S. Kibul'skikh)	137
	Mechanization and Automation of the Technological Process of Casting Traction Cylinder Liners (V.L. Maszhukov, S.I. Zolotarev, A.S. Smolyanitsky)	146
	Use of Hydraulic Servo Drives on Preliminary Die-Forging Equipment (G.S. Zolotarev)	151
	Some Problems of Mechanization and Automation of Rolling Processes (I.I. Zolotarev)	168
	Programming of Technological Processes in Machine Manufacturing (Ye.M. Zhayvorich)	181
	Problems of Construction and Use of Programming Devices (G.A. Syrm, M.P. Zhayvorich)	199
	Present State and Prospects for the Development of Hydrodrives and Hydro-automation in Machine Manufacturing (Ye.M. Zhayvorich)	212
	Experimental Study of Hydraulic Copying Systems at High Servo Mechanism Speeds (A.V. Doroshenko)	227
	On Choosing Dimensions of Small Orifices in Elements of Hydraulic Mechanisms (G.I. Bendit)	238
	Automatic Control for Ball Bearing Rings (V.Y. Novikov)	244
	Automatic Differentiated Control of Thread Dimensions (G.O. Makarovich)	252
	Ways of Automating Inspection of Out-of-roundness of Cylindrical Parts (M.M. Prigynbarich)	263
	Automation of the Rolling Process and Round Productive Capacities of Technologically Closed Sections (G.A. Babich)	276 21

RABINOVICH, Avram Nakhimovich; BESPALOV, Konstantin Ivanovich;
ZLATOGURSKIY, Raymond Raymondovich; LUZINOV, Aleksey
Nikolayevich; SMILYANSKIY, Vitaliy Ivanovich; GILBER, ~~V.~~
M.I., inzh., red. vyp.; FURER, P.Ya., red.;
GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Automatic checking in the manufacture of machines and
instruments] Avtomatizatsiya kontrolya v mashinostroenii i
priborostroenii. Moskva, Mashgiz, 1963. 122 p.

(MIRA 16:9)

(Machinery industry) (Instrument manufacture)
(Automatic control)

SHIYAN, I.V.; LUZKOVA, S.L.; MATVEYEVA, L.S.; ZILOVA, A.N.

Osseous form of xanthomatosis in adults. Klin. med. 38 no. 4:141-
145 Ap '60. (MIRA 14:1)

(LIPOIDOSIS)

LUZKOVA, S.L.; KOMAROVA, L.N.

Diagnostic significance of a cytological examination of the
spleen in diseases of the hemopoietic system. Lab. delo. no.
1:3-7 '65. (MIRA 18:1)

1. Gosptal'naya terapevticheskaya klinika (zaveduyushchiy
deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) I Moskov-
skogo ordena Lenina meditsinskogo instituta im. I.M. Sechenova.

LUZKOVA, Sima Leont'yeva; MYASNIKOV, A.L., prof., red.; KASSIRSKIY, I.A.,
prof., red.; VOROB'YEV, A.I., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Atlas of clinical hematology] Kliniko-gematologicheskii atlas. Pod
red. A.L.Miasnikova i I.A.Kassirskogo. Moskva, Medgiz, 1961. 122 p.
(MIRA 14:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Myasni-
kov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Kassirskiy).

(BLOOD--DISEASES)

STAMBERA, J., doc., inz., C.Sc.; LUZNY, J., inz.; NOVAKOVA, Z., promovany
biolog

Need for introduction of heterosis effect in vegetable cultivation.
Vestnik vyzk zemedel 9 no.7:358-363 '62.

STAMBERA, Jaroslav, C.Sc.Inz.; LUZNY, Jan, Inz

Solved research tasks on the cultivation of vegetables. Vestnik CSAZV
7 no.12:635-637 '60. (EEAI 10:4)

1. Vyzkumny ustav zelinarsky Ceskoslovenske akademie zemedelskych
ved. Olomouc.
(Czechoslovakia--Vegetables)

LUZNY, Jan, inz. CSc.

Examination of the turnip cabbage assortment and its
F₁ generation with regard to bolting. Rost vyroba 11
no.1:45-52 Ja '65.

1. Research Institute of Vegetables, Olomouc. Submitted
September 11, 1964.

3.2410 (2205, 2705, 2805)

³⁷²⁸⁵
S/169/62/000/004/070/103
D218/D302

AUTHORS: Sergeyev, A.V., and Luzov, A.A.

TITLE: The barometric coefficient of the neutron component

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 4, 1962, 13, abstract 4G69 (V. sb. Kosmicheskiye luchy, no. 3, M., AN SSSR, 1961, 163-165)

TEXT: Calculations are reported on the barometric coefficients of the neutron component of cosmic rays, based on experimental data obtained at Irkutsk and Deep River. The average value of the barometric coefficient for 1958 - 1959 is $\beta = -(0.69 \pm 0.01) \text{ \%/mb}$. A seasonal variation was established for the barometric coefficient with a maximum in the summer (0.73 %/mb) and a minimum in the winter (0.65 %/mb). [Abstractor's note: Complete translation].

Card 1/1

SERGEYEV, A.W.; LUZOV, A.A.

Operating conditions for SNM-8 counters at voltages up to
3 kw. Trudy IAFAN SSSR. Ser. fiz. no.4:38-40 '62.

(MIRA 15:12)

(Nuclear counters) (Neutrons) (Cosmic rays)

LUZOV, A.A.; KUKLIN, G.V.

Directional diagram of an azimuthal telescope. Geomag. i aer. 3
no.6:1094-1107 N-D '63. (MIRA 16:12)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya
radiovoln Sibirskogo otdeleniya AN SSSR.

KUKLIN, G.V.; LUZOV, A.A.

Existence of a semidiurnal variation of cosmic ray intensity
in a disturbed period. Geomag. i aer. 4 no.1:171-174 Ja-F'64.
(MIRA 17:2)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya
radiovoln Sibirskogo otdeleniya AN SSSR.

L 53765-65 EWT(1)/ENG(v)/EGG/EEC-4/EEC(t)/ENA(h) Po-4/Pe-5/Pq-4/Pae-2/
 ACCESSION NR: AP5014100 Feb/P1-4 GW UR/0203/65/005/003/0392/0400
 523.165 50
 21
 C

AUTHOR: Luzov, A. A.; Kuklin, G. V.; Pezhemakiy, A. I.

TITLE: Investigation of periodic intensity variations of cosmic rays by selected frequency filters

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 3, 1965, 392-400

TOPIC TAGS: cosmic ray intensity, Fourier series, harmonic analysis, filter method, neutron component

ABSTRACT: Diurnal variations of cosmic-ray intensity may be investigated by expanding data into Fourier series or by averaging them for a selected period from many stations. A harmonic analysis of data from many stations over a short period provides a better picture of the real behavior of cosmic rays during a single day. A simple addition of data without preliminary smoothing may yield a complicated superposition of diurnal variations. A filter method was used, consisting of the separation of frequencies of the diurnal variation investigated. Filter characteristics contain parameters which determine the band of frequencies being passed by the filter. The profile of the filter is determined by a Fourier transformation when the frequency characteristics are known. The filter method was applied to the neutron

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ACCESSION NR: AP5014100

component for the period January, February, and March 1960, and results which were obtained and computed were represented graphically. The amplitude change of the diurnal variation occurs simultaneously with the intensity change and has a global character. For a complete solution of the problem, the structural function was introduced and used for mountain and sea-level stations. The cyclic rate of diurnal intensity variations of cosmic rays may be caused by heterogeneities of solar winds. Orig. art. has: 5 figures, 1 table, and 9 formulas. [EG]

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln
SO AN SSSR (Institute of Terrestrial Magnetism, Ionosphere, and Propagation of Radio Waves, SO, AN SSSR)

SUBMITTED: 13Jul64

ENCL: 00

SUB CODE: AA

NO REF SOV: 012

OTHER: 001

ATD PRESS: 4019

BAG
Card 2/2

E 24199-65 EWT(1) GJ

ACCESSION NR: AP5000515

8/0203/64/004/006/0987/1001

AUTHOR: Kuklin, G. V.; Luzov, A. A.

TITLE: Some problems in the mathematical treatment of geophysical data

SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 6, 1964, 987-1001

TOPIC TAGS: signal noise ratio, geophysical data processing

ABSTRACT: The special characteristics of methods used for the mathematical treatment of data consisting of signals against a background of noise are considered. The limit of their applicability is given and new methods of determining certain quantitative characteristics of observed phenomena are proposed. The transforming properties of mathematical operators (moving average, harmonic analysis, theory of random processes) are studied. The use of linear and nonlinear number filters to separate signals from noise is discussed. Consideration is given to distortions introduced by number filters. The accuracy and reliability of the method are evaluated in terms of the mean square error of the initial data. A method of "curved sums" is introduced to isolate small discontinuities or to analyze small irregular variations of short duration when there are few data (about 10 items). Analysis

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ACCESSION NR: AP5000515

2

is made of the "curved sum"

$$I(t) = \int_0^t f(t) dt.$$

where it is required that $f(t)$ be steady and contain no secular variations. This method was used to analyze the cosmic-ray burst of May 4, 1960. "The authors thank M. L. Platonov for his valuable advice." Orig. art. has: 3 figures and 42 formulas.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR (Institute of Terrestrial Magnetism, the Ionosphere and Radiowave Propagation, AN SSSR)

SUBMITTED: 25Apr64

ENCL: 00

SUB CODE: ES, MA

NO REF SOV: 017

OTHER: 004

Card 2/2

LUZOV, A.A.; KUKLIN, G.V.

Perturbed diurnal intensity variations of cosmic rays in a period
of Forbush decreases. Geomag. i aer. 5 no.1:48-54 Ja-F '65.
(MIRA 18.4)

1. Institut zemnogo magnetizma ionosfery i rasprostraneniya
radiovoln Sibirskogo otdeleniya AN SSSR.

KUKLIN, G.V.; LUZOV, A.A.

Dynamical frequency spectra of short-period variations in
cosmic ray intensity. Geomag. i aer. 5 no.3:384-391 My-Je
'65. (MIRA 18:5)

1. Institut zemnogo magnetizma ionosfery i rasprostraneniya
radiovoln Sibirskogo otdeleniya AN SSSR.

LUZOV, A.A.; KUKLIN, G.V.; PEZHEMSKIY, A.I.

Use of selective frequency filters in studying periodic variations
in cosmic ray intensity. Geomag. i aer. 5 no.3:392-400 My-Je '65.
(MIRA 18:5)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radio-
voln Sibirskogo otdeleniya AN SSSR.

L 15590-66 EMT(1)/EGG GD/GW
~~ACC NR~~ AT3027224

SOURCE CODE: UR/0000/66/000/000/0156/0159

AUTHOR: Luzov, A. A.; Kurchenko, Yu. A.

ORG: none

TITLE: A semiconductor converter of atmospheric pressure quantities

SOURCE: AN SSSR. Sibirskoye otdeleniye. Sibirskiy institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln. Issledovaniya po geomagnetizmu i aeronomii (Studies in geomagnetism and aeronomy). Moscow Izd-vo Nauka, 1966, 156-159

TOPIC TAGS: atmospheric pressure, pressure measuring instrument, semiconductor triode, nonelectric quantity converter

ABSTRACT: Investigations of the intensity of cosmic radiation as a function of atmospheric pressure require the recording of atmospheric pressure quantities at a high level of accuracy. Taking into consideration the accuracy of the existing atmospheric pressure measurement instruments, the present authors confine their study to a development of a converter of atmospheric pressure employing a type SR-A mercury barometer as the sensing element. The converter described is a regenerative sensor, the measuring coil of which is located on the tube of the barometer. The electronic part of the regenerative sensor consists of...

Card 1/2

L 45590-66

ACC NR: AT6027224

an amplifier (P403 transistors) with a positive feedback; the maximum sensitivity and stability of the generation frequency are provided by a measuring coil employed as a resonance circuit. Generation is assured by the presence of feedback and the fulfillment of the condition $K\beta \geq 1$, $\varphi_1 - \varphi_2 = 0$ ($A_i\beta_i \geq 1$, $\varphi_1 - \varphi_2 = 0$, for transistors). Here, $K(A_i)$ is the voltage (or current) amplification; $\beta(\beta_i)$ is the voltage (or current) feedback coefficient. An analysis of the variations in the parameters of individual stages of the converter with temperature variations shows that the regenerative amplifier will be subjected to the influence of the temperature as a result of the change in amplification as well as due to the frequency and phase variations. A precise accounting of the behavior of the regenerative amplifier may be obtained by experimental means; the authors, however, confine themselves to the inclusion of thermostable elements into the circuit. Under the experimental conditions, the results obtained in the measurement of the atmospheric pressure by the converter described agreed practically with the results obtained by means of a mercury barometer. In conclusion, the authors express their gratitude to Yu. I. Trishkina for her assistance in assembling and testing the converter. Orig. art. has: 4 figures. [26]

SUB CODE 08,09 SUBM DATE: 25Dec65/ ORIG REF: 007 / ATD PRESS: 5083

Card 2/2 *pla*

LUZSA, Gyorgy, dr.; POOR, Ferenc, dr.; SZALONTAI, Theodora, dr.

Developmental abnormalities of the humeroscapular region. Orv.
hetil. 106 no.15:697-702 11 Ap '65

1. Mosonmagyaróvári Városi Tanács Kórház, Röntgen és Belosztály.

L 32685-65 EEC-4/JWG(j)/EWG(v)/EWA(h)/EWT(1)/EWT(m)/EEG(t)/FCG/T Pe-5/
 PI-4/PO-4/PQ-4/Pae-2/Peb IJP(c) GH/WS-4

ACCESSION NR: AP5005186

8/0203/65/005/001/0048/0054

AUTHOR: Luzov, A. A.; Kuklin, J. V.

TITLE: Disturbed diurnal variations in cosmic ray intensity during a Forbush decrease

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 1, 1965, 48-54

TOPIC TAGS: cosmic ray, cosmic ray intensity, Forbush decrease, cosmic ray variation, cosmic ray neutron component, solar corpuscular stream

ABSTRACT: The authors have already demonstrated (Geomagn. i aeronomiya, 1964, 4, No. 6, 987) that it is possible to use numerical filters for the separation of cosmic ray variations, and have presented a method for taking into account distortions introduced by numerical filters in investigation of all variations, including irregular variations of the Forbush decrease type. The methods presented in that paper have now been applied to an analysis of data on the neutron component for a world network of 39 stations, corrected for the barometric effect. It is demonstrated that in the period of a Forbush decrease the diurnal variations have changes determined by Universal Time, the planetary distribution of observation stations and the character of the Forbush decrease. It is shown further that a

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L 52685-65

ACCESSION NR: AP5005186

2

study of the amplitude and phase characteristics of the diurnal variations of the neutron component obtained by the authors' moving harmonic analysis method can yield additional information on the causes and sources of variations in cosmic ray intensity. The use of data on the hard component in such investigations becomes possible only after the introduction of temperature corrections into the two-hour intensity values. The analysis of the amplitude and phase characteristics of the diurnal wave in the cosmic ray neutron component for the storm of 21 October 1957 is given as an illustration. For example, a comparison of curves of the latitude variation shows that it is the relatively low-energy particles which are subjected to the greatest changes. This fact and the absence of a similar increase effect for the stations of the southern hemisphere makes it possible to postulate that the principal cause of the difference in the latitude curves is the relative location of the disturbing agent - the corpuscular stream and the earth's magnetosphere, leading to an isotropic increase effect. The effects of phase jumps, small increases and anisotropy discovered by use of the mentioned method clearly indicate its effectiveness. "The authors wish to thank A. I. Pezhemskiy, who made computations of the corrected numerical filter, G. I. Gershengorn, who analyzed the data for the world network of stations on an electronic computer, and Z. D. Akimov for participation in the preparation of data and finalizing the study". Orig. art. has: 3 formulas, 3 figures and 2 tables.

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L 32685-65

ACCESSION NR: AP5005186

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln
SO AN SSSR (Institute of terrestrial magnetism, the ionosphere and radio wave pro-
pagation, Siberian division, AN SSSR)

SUBMITTED: 18May64

ENCL: 00

SUB CODE: ES, AA

NO REF SOV: 006

OTHER: 004

Card 3/3

KAROLCEK, J.; ODLER, I.; DRASKOVICOVA, M.; LUZOVA, D.

Use of serologic-immunobiological methods in the diagnosis
of typhoid carriers. Cesk. epidem. 12 no.4:215-219 JI '63.

1. Ustav epidemiologie a mikrobiologie v Bratislave.
(TYPHOID) (SALMONELLA TYPHI) (PHAGOCYTES)
(HEMAGGLUTINATION)

LUZSA, Gyorgy, Dr.

A rare roentgenogram of retroperitoneal teratoma. *Magy. radiol.*
11 no.3:184-185 Aug 59

1. A Gyor-Sopron megyei Tanacs Korhazanak (megbizott ig.: Szekely
Ferenc dr. egyetemi m. tanar) rontgenosztalyanak (foorvos: Halmi
Jozsef dr.) kozlemenye.

(TERATOID TUMOR, radiogr)

(RETROPERITONEAL SPACE, neopl)

LUZSA, Gyorgy dr.

A case of extensive metastases in the humerus. *Magy radiol.* 13
no.2:121-122 Mr '61.

1. A Gyor-Sopron Megyei Tanacs Korhaza (igazgato-foorvos: Szasz
Janos dr.) Rontgen Osztalyanak (foorvos: Halmi Jozsef dr.) kozlemenye.
(BREAST NEOPLASMS compl)
(HUMERUS neopl)

LUZSA, Gyorgy, dr.

A case of tuberculous spondylitis associated with spondyloarthrosis with a perforation into the bronchial system. Tuberkulozis 14 no.7: 221-222 J1 '61.

1. A Gyor Sopron Megyei Tanacs Korhaza (Igazgato: Szasz Janos dr.) Rontgen osztalya (Foorvos: Halmi Jozsef dr.) kozlemenye.

(TUBERCULOSIS SPINAL compl)

GEREBEN, Zoltan, dr.; LUZSA, Gyorgy, dr.

Development of gallstones in the duodenum and megaduodenum with occlusion. Magy. radiol. 14 no.3:154-157 Je '62.

1. Mosonmagyaróvári Városi Tanács Kórháza (igazgató: Kis József dr.) Sebészeti (előorvos: Gereben Zoltan dr.) és Röntgen (előorvos: Luzsa György dr.) osztályának közleménye.

(CHOLELITHIASIS compl) (DUODENUM dis)
(INTESTINAL OBSTRUCTION etiol)

HUNGARY

LUZSA, György, Dr; Hospital of the City Council of Mosonmagyaróvár,
X-Ray Department (Mosonmagyaróvári Városi Tanács Korháza, Röntgenosztály).

"Yearly Radiation Exposure of the Population of Mosonmagyaróvár in 1961."

Budapest, Orvosi Hetilap, Vol 104, No 14, 7 Apr 63, pages 642-645.

Abstract: [Author's Hungarian summary] The radiation exposure of the 65,000 inhabitants of the city was calculated. Yearly X-ray examination was 0.63 per inhabitant. Between 0-30 years of age, 12.8 mrem exposure was received on the gonads per inhabitant. For decreasing the harmful exposure, the limitation of X-ray indication is recommended. In patients with acute thoracic complaints, 37 per cent of the X-ray pictures taken were foreseeably unnecessary in the estimation of the author. 7 per cent appeared for X-ray without previous medical examination. On a nationwide basis he estimates that 160-180 thousand patients with acute thoracic complaints are X-rayed unnecessarily. 9 Hungarian, 3 Western references.

L1/1

LUZSA, Gyorgy, dr.

Exposure to radiation of the residents of Mosonmagyaróvár, Hungary,
in 1961. Orv. hetil. 104 no.14:642-645 7 Apr 1963.

1. Mosonmagyaróvári Városi Tanács Korhaza, Röntgenosztály.
(RADIOMETRY) (RADIOGRAPHY) (STATISTICS)

LUZSA, G.

Post-mortem angiography of the abdominal organs. Csekk. radiol.
19 no.2:78-84 Mr '65.

1. Nemocnice mesta Mosonmagyaróvár, Madarsko (reditel: dr. J. Kís).

HUNGARY

Diagnosis

LUZSA, Gyorgy, Dr; City Council of Mosonmagyaróvár, Hospital, Radiology
(chief physician: LUZSA, Gyorgy, Dr) (Mosonmagyaróvári Városi Tanács Kor-
haza, Röntgenosztály).

"Gastric Biopsy."

Budapest, Orvosi Hetilap, Vol 107, No 31, 31 Jul 66, pages 1453-1456.

Abstract: [Author's Hungarian summary modified] The technical advancements in and possibilities of gastric biopsy procedures are discussed. The chief advantages of the "gastroexcisor", designed by the author for aimed biopsy, are considered to be its easy attachment to the Wolf-Schindler gastroscope used in Hungary and the ease with which it is disassembled. The indications for biopsy are summarized stressing its almost unique diagnostic role in the study of chronic gastritis. Attention is called to the importance of the careful weighing of contraindications and to the possibilities of eventual complications. In the author's opinion, the clinical value of gastric biopsy has been proven and the more widespread use of the method can definitely be expected with the more advanced solution of the technical problems involved. 4 Hungarian, 36 Western references.

1/1

Instruments and Equipment

HUNGARY

LUZSA, Gyorgy, Dr. HAJDU, Sandor, technician; City Council of Mosonmagyaróvár, Hospital, Radiology (Mosonmagyaróvári Városi Tanács Korháza, Röntgenosztály), and Hungarian Wagon and Machine Factory (Magyar Vagon és Gépgyár), Győr.

"Gastroexcisor: an Instrument for Aimed Gastric Biopsy."

Budapest, Orvosi Hetilap, Vol 107, No 31, 31 Jul 66, pages 1472-1473.

Abstract: [Authors' Hungarian summary] An instrument, termed gastroexcisor, was designed for use in aimed gastric biopsy which can be mounted on the Wolf-Schindler type of gastroscope. The instrument has been used with success. No references.

Internal Medicine

HUNGARY

LUZSA, Gyorgy, Dr; City Council of Mosonmagyaróvár, Hospital, Radiology
(Mosonmagyaróvári Városi Tanács Korhaza, Röntgenosztály).

"Arthropathia Syringomycelica."

Budapest, Orvosi Hetilap, Vol 107, No 33, 14 Aug 66, pages 1556-1558.

Abstract: [Author's Hungarian summary] Fourteen months after injury to the elbow joint, the development of a characteristic arthropathia syringomycelica was observed. Numerous anomalies accompanied the disorder. The case serves as support of the Volkmann-type traumatic theory. 2 Hungarian, 10 Western references.

1/1

LUZSA, I.

Tube-cell steam boilers. p. 350. Magyar Energiagazdasag. Vol. 8, no. 9,
Sept. 1955

Source: East European Accessions List (EEAL), Lc, Vol. 5, No. 2, Feb, 1956

LUZSA, I.

"Quick repair of a split in the boiler drum heated by the smelting chamber."

p. 286 (Energia Es Atomtechnika) Vol. 10, no. 5/6, Aug. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

LUZSA, Istvan, okleveles gepeszmernok

Graphic method for the conversion of the calorific value of coals
into other moisture and ash contents. Energia es atom 15
no.8:345-349 Ag '62.

1. Eromu Tervezo Iroda.

DIOSZEGHY, Daniel, dr., prof.; RAPP, Tamas; SZAVA, Nandor; BENEDEK, Laszlo; HORVATH, Mihaly; GREGUSS, Pal, dr. (Jr); UNGUREANU, Cornel (Temesvar, Roman Nepi Koztarsasag); CSORBA, Tamas; SZABOLCS, Gabor; KABLITZ, Richard (Lauda-Baden, Nemet Szovetsegi Koztarsasag); GYULAY, Alajos; LUZSA, Istvan; KOSZTOLANYI, Lajos

Technical and economic questions relating to oil utilization.
Ipari energia 3 no. 1/2:4-8 Ja-F '62.

1. Hitechnikai Kutato Intezet (for Csorba and Szabolcs).
2. VEGYTER (for Gyulay). 3. EROTERV (for Luzsa). 4. Orszagos Kiolaj-es Gazipari Troszt (for Kosztolanyi).

LUZSA, Istvan

Description of the tar-fired, open-air boiler of the Merksen
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Vertical focusing of an electron beam by cylindrical
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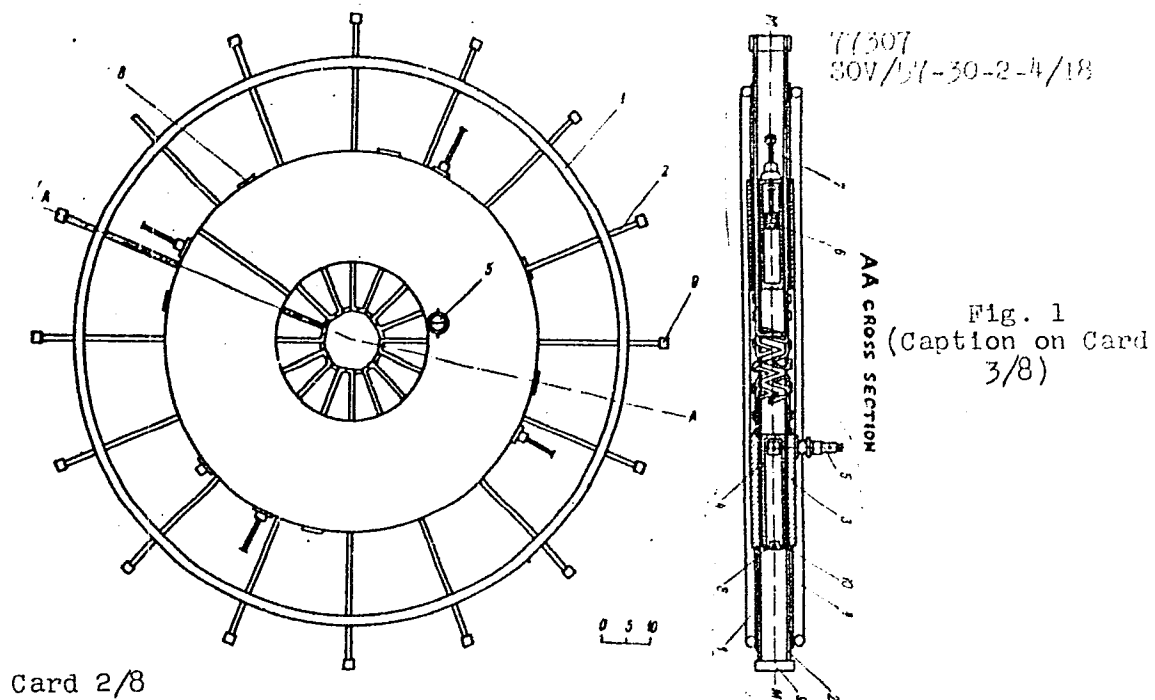
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TITLE: Vertical Focusing of an Electron Beam Using
Cylindrical Magnetic Lenses in an Axially Symmetrical
Radially Increasing Magnetic Field

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1960, Vol 30, Nr 2,
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ABSTRACT: Kel'man and others (ZhTF, XXVIII, 1056, 1958) and
Vandakurova (ZhTF, XXVIII, 1065, 1958) showed that
radially arranged magnetic lenses may produce a
vertical focusing of electrons moving in nearly
circular, or spiral, orbits. The present paper
describes experimental investigation of an electron
motion in a radially increasing magnetic field whose
defocusing effects are compensated by means of
cylindrical magnetic lenses. Two equal ring-
shaped flat coils (1) are producing the required
field (see Fig. 1).

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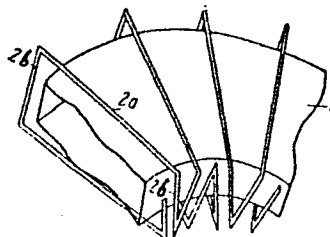
Vertical Focusing of an Electron Beam
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Fig. 1. Diagram of experimental setup. (1) Coils of guiding field; (2) focusing systems; (3) holders; (4) chamber; (5) injector; (6) screen; (7) rod; (8) window; (9) jumper; (10) insulation.

Experiments were performed with two pairs of coils with a mean radius of 55 and 35 cm. The spacial arrangement of the focusing system (2) is shown on Fig. 4.

Fig. 4. Focusing system (schematic diagram). (2a) Copper rod; (2b) vertical jumper; (4) chamber.



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